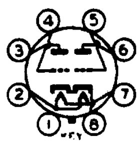
6Z7-G

# 6Z7-G

## CLASS B TWIN AMPLIFIER

| | | |
|---|---|---|
| Heater | Coated Unipotential Cathode | |
| Voltage | 6.3 | a-c or d-c volts |
| Current | 0.3 | amp. |
| Maximum Overall Length | | 4-1/8" |
| Maximum Diameter | | 1-9/16" |
| Bulb | | ST-12 |
| Base | | Small Shell Octal 8-Pin |

Pin 1-No Connection
Pin 2-Heater
Pin 3-Plate (Triode $T_2$)
Pin 4-Grid (Triode $T_2$)




BOTTOM VIEW

Pin 5-Grid (Triode $T_1$)
Pin 6-Plate (Triode $T_1$)
Pin 7-Heater
Pin 8-Cathode

Mounting Position ← Any

*For convenience, one triode unit is identified as $T_1$, the other as $T_2$.*

### CLASS B POWER AMPLIFIER

| | | | | | |
|---|---|---|---|---|---|
| Plate Voltage | | | 180 max. | | volts |
| Peak Plate Current (per plate) | | | 60 max. | | ma. |
| Average Plate Dissipation | | | 8 max. | | watts |
| Typical Operation: | | | | | |
| Heater° | 6.3 | | 6.3 | | volts |
| Plate | 135 | | 180 | | volts |
| Grid | 0 | | 0 | | volts |
| Zero-Sig. Plate Current (per plate) | 3 | | 4.2 | | ma. |
| Effective Load Resistance (plate to plate) | 15000 | 9000 | 20000 | 12000 | ohms |
| Power Output | 1.5* | 2.5# | 2.2* | 4.2# | watts |

* With average input of 80 milliwatts applied between grids.
\# With average input of 320 milliwatts applied between grids.
° In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

← Indicates a change.

SEPT. 1, 1938

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

TENTATIVE DATA

6Z7-G

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## AVERAGE PLATE CHARACTERISTICS

